Preface

For the last two decades, many important developments and interactions in algebraic geometry and integrable systems have been arising from the ideas of mirror symmetry. The RIMS International Project Research 2007, "Mirror Symmetry and Topological Field Theory" was held in the Japanese fiscal year April 2007–March 2008 at RIMS, Kyoto University to explore recent further progress.

As a part of the activities, the conference "New Developments in Algebraic Geometry, Integrable Systems and Mirror Symmetry" was held in Kyoto on January 7–11, 2008. Also, prior to the conference, a workshop on "Quantum Cohomology and Mirror Symmetry" was held at Kobe University on January 4–5, 2008. During the conferences, there were research talks on new results in algebraic geometry, integrable systems, Gromov–Witten theory, topological field theory and symplectic geometry. Also, it was helpful for the participants that we had good expository lectures on developing theories related to these subjects.

This volume is the outcome of those conferences and consists of 12 contributed papers from participants. We would like to thank the authors for their contributions and the referees for their invaluable efforts. Special thanks are due as well to the secretaries at Kobe University for editorial work.

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The Editors
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All papers in this volume have been refereed and are in final form. No version of any of them will be submitted for publication elsewhere.